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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	NEC F-11100 DIV
First Inventor	TAKEUCHI
Title	VARIABLE DRIVE CURRENT DRIVER CIRCUIT
Express Mail Label	EU984257317US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

- |  |   |
|--|---|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/>(Submit an original, and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>12</b>] <br/><i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>5</b>] <br/><br/></p> <p>5. Oath or Declaration [Total Pages <b>  </b>] <br/>       a. <input type="checkbox"/> Newly executed (original or copy)<br/>       b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/> <i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>           Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission<br/>(<i>if applicable, all necessary</i>)           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:               <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p> |
|--|---|

**ACCOMPANYING APPLICATION PARTS**

- |   |  |
|---|--|
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br/>(<i>when there is an assignee</i>)</p> <p>11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/>(<i>Should be specifically itemized</i>)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/>(<i>if foreign priority is claimed</i>)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> | <p>10. <input type="checkbox"/> Power of Attorney</p> <p>11. English Translation Document (<i>if applicable</i>)</p> <p>12. <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/>(<i>Should be specifically itemized</i>)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/>(<i>if foreign priority is claimed</i>)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> |
| <p>17. <input checked="" type="checkbox"/> Other: <b>Change of Attorney Address</b></p>   |  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: **09/874,737**
Prior application information: Examiner **Nguyen, Long T.**Group / Art Unit: **2816**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

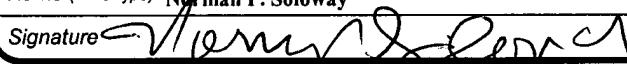
**19. CORRESPONDENCE ADDRESS**

Customer Number: **27667** or  Correspondence address below

Name **Norman P. Soloway**  
**HAYES SOLOWAY P.C.**

Address **130 W. Cushing Street**

City	Tucson	State	Arizona	Zip Code	85701
Country	USA	Telephone	(520) 882-7623	Fax	(520) 882-7643

Name (Print/Type) <b>Norman P. Soloway</b>	Registration No. (Attorney/Agent) <b>24,315</b>
	
Date	August 25, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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22387 U.S.P.T.O.





08/25/03

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

\$750.00

## Complete if Known

Application Number	
Filing Date	August 25, 2003
First Named Inventor	TAKEUCHI
Examiner Name	Nguyen, Long T.
Group Art Unit	2816
Attorney Docket No.	NEC F-11100 DIV

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number **08-1391**  
 Deposit Account Name

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130 Non - English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	410	2252	205 Extension for reply within second month
1253	930	2253	465 Extension for reply within third month
1254	1,450	2254	725 Extension for reply within fourth month
1255	1,970	2255	985 Extension for reply within fifth month
1401	320	2401	160 Notice of Appeal
1402	320	2402	160 Filing a brief in support of an appeal
1403	280	2403	140 Request for oral hearing
1451	1,510	1451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,300	2453	650 Petition to revive - unintentional
1501	1,300	2501	650 Utility issue fee (or reissue)
1502	470	2502	235 Design issue fee
1503	630	2503	315 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR § 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Statement
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	750	2809	375 Filing a submission after final rejection (37 CFR § 1.129(a))
1810	750	2810	375 For each additional invention to be examined (37 CFR § 1.129(b))
1801	750	2801	375 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	Fee Description
1001	750	2001	375 Utility filing fee
1002	330	2002	165 Design filing
1003	520	2003	260 Plant filing fee
1004	750	2004	375 Reissue filing
1005	160	2005	80 Provisional filing fee
SUBTOTAL (1)		(\$)	\$750.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below	Fee Paid
Total Claims	6	-20** = 0 X 0 = 0.00	
Independent Claims	3	-3** = 0 X 0 = 0.00	
Multiple Dependent			

Large Entity	Small Entity	Fee Description
Fee Code	Fee (\$)	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	84	2201 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$)
		\$0.00

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

SUBMITTED BY						Complete (if applicable)	
Name (Print/Type)	Norman P. Soloway		Registration No. (Attorney/Agent)	24,315	Telephone	(520) 882-7623	
Signature			Date	August 25, 2003			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization n

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): TAKEUCHI

Docket No.

NEC F-11100 DIV

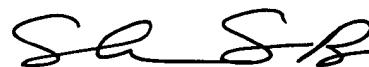
Serial No.

Filing Date  
August 25, 2003Examiner  
Nguyen, Long T.Group Art Unit  
2816Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

I hereby certify that the following correspondence:

**DIVISIONAL PATENT APPLICATION***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

August 25, 2003*(Date)***Shauna Bronson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EU984257317US***("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

**Change Of Attorney Or Agent's Address In Application  
(37 CFR 1.8(a))**

Docket No.

**NEC F-11100 DIV**

In Re Application Of: **TAKEUCHI**

Serial No.

Filing Date

**August 25, 2003**

Examiner

**NGUYEN, Long T.**

Group Art Unit

**2816**

Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

**TO THE COMMISSIONER FOR PATENTS**

Please send all correspondence for this application to:

**Norman P. Soloway  
HAYES SOLOWAY P.C.  
130 W. Cushing Street  
Tucson, Arizona 85701**

Please direct all telephone calls to:

**(520) 882-7623**



*Signature of Attorney or Agent of Record*

**Dated: August 25, 2003**

**Norman P. Soloway, Esq.  
Reg No. 24,315  
HAYES SOLOWAY P.C.  
130 W. Cushing Street  
Tucson, Arizona 85701**

*Registration Number & Address of Attorney or Agent of Record*

*I certify that this document is being deposited on [redacted]  
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class mail under 37 C.F.R. 1.8 and is addressed to the  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA  
22313-1450.*

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): TAKEUCHI

Docket No.

NEC F-11100 DIV

Serial No.

Filing Date

August 25, 2003

Examiner

Nguyen, Long T.

Group Art Unit

2816

Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

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August 25, 2003*(Date)***Shauna Bronson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EU984257317US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**